

PISTACHIO NUT ORCHARD ESTABLISHMENT COSTS

COOPERATIVE EXTENSION

Southern San Joaquin Valley, 1980

UNIVERSITY OF CALIFORNIA

Costs Per Acre

1st Year 2nd Year 3rd Year 4th Year 5th Year 6th Year

Yield of in-shell, dry nuts
(pounds/acre)

60

Pre-Harvest Cash Costs:

Land preparation:

subsoil, contact \$ 160.00

Disc & float: 4 hrs. labor
& 4 tractor hours 40.60Trees: 120 @ \$3.50 incl.
budding (+2, 2nd yr.,
1, 3rd yr.; 1, 4th yr.
@ \$5.50) 420.00 \$ 11.00 \$ 5.50 \$ 5.50Survey, peg & plant: 120
@ 50¢ (+2, 2nd yr.;
1, 3rd yr.; 1, 4th yr.
@ \$1) 60.00 2.00 1.00 1.00Stakes: 24, 1½ x 1½ inch
X 8 ft. @ 65¢, 2nd yr. 15.60Stake trees, 1 hr. labor and
1 tractor hr., 2nd yr. 10.00Train & sucker trees, prune
6th year 15.00 10.00 10.00 10.00 \$ 10.00 \$ 40.00Weed control: equip, labor,
materials 48.30 46.00 44.00 44.00 44.00 44.00Irrigation: 3 hrs. labor 14.70 14.70 14.70 14.70 14.70 14.70
Fertilizer: \$20/ac. ft. 20.00 20.00 30.00 30.00 40.00 50.00Fertilizer: nitrogen materials
+ applic. (25 lbs. 1st yr.;
35 lbs. 2nd & 3rd yrs.; then
55 lbs. @ 25¢/lb) 6.25 8.75 8.75 13.75 13.75 13.75Tillage: 1½ hrs. labor
+ 1½ hrs. tractor 15.25 15.25 15.25 15.25 15.25 15.25

Misc. labor + tractor 25.00 25.00 25.00 25.00 25.00 25.00

Misc. materials 10.00 10.00 10.00 10.00 10.00 10.00

County Taxes 50.00 50.00 50.00 50.00 50.00 50.00

Management contract 50.00 50.00 50.00 50.00 50.00 50.00

Repairs, except tractor 25.00 25.00 25.00 25.00 25.00 25.00

Office & business costs 76.80 25.06 23.14 23.54 23.82 27.02

TOTAL PREHARVEST CASH COSTS \$1036.90 \$ 338.36 \$ 312.34 \$ 317.74 \$ 321.52 \$ 364.72

Depreciation:

Irrigation system: \$700,
15 yr. life \$ 46.65 \$ 46.65 \$ 46.65 \$ 46.65 \$ 46.65 \$ 46.65Tractor, buildings & equip.,
\$250, 10 yr. life 25.00 25.00 25.00 25.00 25.00 25.00

TOTAL DEPRECIATION \$ 71.65 \$ 71.65 \$ 71.65 \$ 71.65 \$ 71.65 \$ 71.65

TOTAL CASH & DEPRECIATION \$1108.55 \$ 410.01 \$ 383.99 \$ 389.39 \$ 393.17 \$ 436.37

Interest on Investment @ 12%:

Irrigation system:
1/2 cost \$350 \$ 42.00 \$ 42.00 \$ 42.00 \$ 42.00 \$ 42.00 \$ 42.00Tractor, buildings & equip:
1/2 cost \$125 15.00 15.00 15.00 15.00 15.00 15.00

Interest: \$5000/acre 600.00 600.00 600.00 600.00 600.00 600.00

Interest on accumulated costs -- 211.87 365.33 534.09 723.75 936.62

TOTAL INTEREST ON INVESTMENT \$ 657.00 \$ 868.87 \$1022.33 \$1191.09 \$1380.75 \$1593.62

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AGRICULTURAL BUILDING, COUNTY CIVIC CENTER, WOODLAND AND MAIN STREETS, VISALIA, CALIFORNIA 93291 TELEPHONE (209) 733-6363

Cooperative Extension Work in Agriculture and Home Economics, U. S. Department of Agriculture, University of California, Tulare County Cooperating

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Standard size of 160 acres on a total farm of 640 acres with 2000 lbs. of in-shell nuts per acre. Planting is 11 x 22 or 150 trees per acre. Labor rates are assumed to be \$5.65 per hour for skilled and \$4.90 per hour for unskilled including fringe benefits. Tractor operating costs are assumed to be \$4.50 per hour. Shaker and frame owned.

	Total Costs	Your Costs
Pre-Harvest Cash Costs:		
Pruning @ 35¢/tree	\$ 52.50	
Shake trees	15.35	
Brush removal	10.00	
Fertilize: 75 lbs. N @ 25¢/lb.	18.75	
Disc: 6X - 2½ hrs.	24.65	
Springtooth: 3X - 1 hr.	11.05	
Irrigate: 24 ac. in. @ \$20/ac. ft. + 6 hrs. labor	69.40	
Herbicides	35.00	
Insecticides	22.00	
Misc. labor & tractor	25.00	
Misc. materials	10.00	
County taxes	50.00	
Management contract	50.00	
Repairs, except tractor	25.00	
Office and business costs	33.50	
TOTAL PRE-HARVEST CASH COSTS	\$ 452.20	
Harvest Costs:		
Harvest & haul @ \$185 per ton	\$ 185.00	
Holding & drying @ \$340 per ton	340.00	
TOTAL HARVEST COSTS	\$ 525.00	
TOTAL CASH COSTS	\$ 977.20	
Depreciation:		
Trees: 9715, 30 years life	\$ 323.83	
Irrigation system: \$700, 15 yr. life	46.67	
Tractor, buildings, equipment, \$688, 10 yr. life	68.80	
TOTAL DEPRECIATION	\$ 439.30	
Interest on Investment @ 12%:		
Irrigation system, 1/2 cost \$350	\$ 42.00	
Tractor, buildings, equipment, 1/2 cost \$344	41.28	
Land: \$4000/ac.	480.00	
Trees: 1/2 cost \$4858	582.90	
TOTAL INTEREST ON INVESTMENT	\$1146.18	
TOTAL COSTS PER ACRE	\$2562.68	
TOTAL COSTS PER POUND	\$ 1.28	

Solarization is performed at a cost of up to \$500/acre to control Verticillium wilt, especially in Kern County.

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Castanjo Nut Establishment Costs

1980

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TOTAL COST FOR THE YEAR	\$1765.55	\$1278.88	\$1406.32	\$1580.48	\$1773.92	\$2029.99
*Credit for crop, in-shell dry nuts @ \$2.00/lb.						
NET COST FOR THE YEAR	\$1765.55	\$1278.88	\$1406.32	\$1580.48	\$1773.92	\$1909.99
ACCUMULATED NET COST	\$1765.55	\$3044.43	\$4450.75	\$6031.23	\$7805.15	\$9715.14

After harvesting and hulling costs are subtracted.